MISSION Commander

WARFIGHTER-TOUGH
For Improved Mission Commander Situational Awareness and Control of C4ISR Assets

Glenair

STAR-PAN™ IV

Integrated USB data/power distribution hub for ground force commanders, UAS and UGV controllers, and other complex tactical mission specialists

Ruggedized soldier-worn electronics have revolutionized mission effectiveness. But the ongoing evolution and complexity of mission profiles that depend on precision targeting, multiple formats of ground and air radio communications, real-time video downlink, GPS/navigation, and tactical squad networking has added significant weight to the mission commander ensemble. Battery power management for this broad range of electronic gear is a significant challenge in terms of time, weight, and supply logistics. The Glenair STAR-PAN™ IV data hub and power distribution system enables ground force commanders and other complex mission specialists to make the most of C4ISR devices, improving situational awareness, surveillance, intelligence, and reconnaissance while optimizing power monitoring and distribution performance. Importantly, all STAR-PAN™ technologies—from the high-density, NATO standard Mighty Mouse quick-disconnect connectors and cables to the low-profile STAR-PAN IV hub enclosure—are designed for optimal size, weight, power, and ruggedized mil-spec performance with battle-tested environmental and EMC sealing and shielding.

WARFIGHTER REQUIREMENTS
- MIL-STD-810 harsh-environment performance
- Compliance to both US and NATO STANAG 4695 connector interfaces
- Interoperability with soldier EUDs, radios, and C4ISR technology
- Scalable systems IAW soldier mission profiles
- Smart power: battery power management for weight reduction
- Plug-and-play ATAK integration
- Hot-swappable power sourcing and support for radio-supplied backup power
- Durable, flexible cabling
- Intuitive hookup and operation of all equipment

OVERVIEW
The Glenair STAR-PAN™ IV Hub is a lightweight, durable, compact data and power distribution hub, ruggedized for harsh environment applications. The connectorized hub provides a data backplane with power monitoring and management to connected external peripherals used in a broad range of mission profiles and applications. The hub is compatible with USB1.1, USB2.0 (full and high speed), and SMBus protocols. STAR-PAN™ IV contains two power inputs for extended missions. All connector interfaces compliant to NATO STANAG 4695. Recommended: general-purpose C1 cable for EUD, battery, and peripheral connectivity.

TYPICAL RANGE OF TECHNOLOGY IN STAR-PAN IV INTEGRATED SYSTEMS

STAR-PAN Component Description	Part Number
STAR-PAN IV Multiport USB and Power Distribution Hub	808-273
STAR-PAN General-Purpose Extension Cable	808-047
DAGR GPS/Navigation Cable	808-040
PRC 152A Radio Data Adapter	808-032
TacROVER-E ISR Receiver Cable	808-043
TacROVER-P SIR 2.0 ISR Receiver Cable	808-045
Tactical Net Rover ISR Receiver Cable	808-117
STERNA TNF (Targeting) Adapter Cable	808-212
Hand-Held Radio Battery Adapter	808-066
BA5590/BB2590 Battery Shoe	808-048
Radio Power Booster	TS3-022
AC/DC Power Adapter Cable	808-064

- **Across-the-board support for all soldier radio types:**
  - L3HARRIS [AN/PRC-117G, AN/PRC-152A]
  - THALES [AN/PRC-154 Rifleman, AN/PRC-148 JEM]
  - Domo Tactical Communications (DTC) [SOL8SDR-H]
  - ELBIT [PNR-1000, MCTR-7200HH]
  - Silvus Technologies [SC4200, SC4400]
  - Bittium [Tough SDR Handheld™]

EXAMPLES OF SUPPORTED RADIO AND C4ISR DEVICES USED IN STAR-PAN IV INTEGRATED SYSTEMS

Tactical EUD Juggernaut.Case with Adapter Cable

Radio Power Booster For Harris, L3, Silvus, and other radios

Auxiliary BA5590/BB2590 Battery with Battery Shoe

Conformal Battery with Adapter Cable

Safran Vectronix STERNA TNF with Data Cable

DAGR GPS with Navigation Cable

TacRover Video Downlink with Adapter Cable